

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1167	((273/317.1) or (273/317.2) or (273/317.3) or (273/317.4) or (273/317.5) or (273/317.6) or (273/108)).CCLS.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:37
S2	4	S1 and (impact near (plate OR area OR target))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:38
S4	274	"463"/\$ and (baseball or hockey or footbal) and sensor	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:39
S5	74	S4 and wave	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:40
S6	162	S4 and frequency	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:41
S7	33	S4 and frequency and HZ	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:41
S8	564	((463/2) or (463/3) or (463/4) or (463/5)).CCLS.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:42

S9	80	S8 and wave	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:43
S10	8	("5,447,315") or ("4,824,107") or ("5,864,061") or ("4,824,107") or ("4,563,005").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/14 18:44
S11	2	("6,135,884").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/10 03:15
S12	2	("6,110,043").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/10 03:16
S13	257	(high near pass) and (low near pass) and filter and sports	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/10 04:22
S14	97	S13 and impact	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/10 04:22
S15	42	S14 and piezo	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/10 04:22
S16	1	11/045864	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 11:26

S17	19	("3852743"   "4276548"   "4915384"   "5199705"   "5401026"   "5419540"   "5553846"   "5570094").PN. OR ("5864061").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 11:56
S18	17	("3852743"   "3895366"   "4276548"   "4801880"   "4915384"   "5199705"   "5401026"   "5419549"   "5553846"   "5570094"   "5779555"   "5864061").PN. OR ("6079269").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 12:11
S19	0	("7458699").URPN.	USPAT	OR	OFF	2009/10/09 12:13
S20	36	("1199710"   "1215389"   "1230943"   "20010004808"   "20010024364"   "20040047145"   "20060007669"   "20060007670"   "20060089214"   "3638011"   "4346481"   "4453272"   "4513450"   "4853975"   "5118910"   "5177467"   "5321853"   "5377996"   "5406724"   "5424922"   "5444462"   "5535105"   "5580154"   "5816676"   "5987779"   "6006357"   "6012822"   "6079269"   "6592235"	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 12:13

		"6709142"   "6788201"   "6892397"   "D449714").PN.				
S21	1	"20050233819"	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 12:27
S22	2	("5,864,061").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 12:31
S23	2	("5,447,315").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 12:33
S24	2	"11045864"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:13
S25	1	"11/045864"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:13
S26	231	(473/205).OCLS.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:17
S27	4	"20050153786"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:27
S28	10	("2040228").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:31

S29	481	((273/371) or (473/455)).COLS.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:32
S30	33	S29 and filter	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:33
S31	28	("1197567"   "3411785"   "3590225"   "3619630"   "3623065"   "3727069"   "3807858"   "4222564"   "4290757"   "4657511"   "4678194"   "4680012"   "4763903"   "4788441"   "4948371"   "4949972"   "5020806"   "5194006"   "5328190").PN. OR ("5566951").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/10/09 14:36
S32	2	("5908194").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:42
S33	2	("5199705").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 14:47
S34	8	("2939706"   "3415517"   "3874664"   "5447315").PN. OR ("5908194").URPN.	US_PGPUB; USPAT; USOCR	OR	OFF	2009/10/09 14:49

S35	204	baseball and pitch and (low near pass) and filter and impact	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:00
S36	235	baseball and pitch and (low near pass) and filter	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:09
S37	40	"baseball" and pitch and (low near pass) and filter and ball	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:09
S38	7	"4807887"	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:10
S39	1	"low pass" and dartboard	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:11
S40	4	"low pass" and "dart board"	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:12
S41	0	"low-pass" and "dart board"	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:12
S42	272	low-pass and impact and sports	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:12
S43	219	low-pass and impact and baseball	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 15:14
S44	5	(("4149716") or ("5307053")).PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 16:21
S45	6	("2939706"   "3415517"   "3874664"   "5447315").PN.	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 16:38
S46	5	("2939706").URPN.	USPAT	OR	OFF	2009/10/09 16:39
S47	10	("2040228").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 17:12
S48	2	("4824107").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/09 17:48

S49	22	("2783047"   "2916289"   "2926015"   "2939706"   "3047723"   "3252705"   "3622957"   "3678495"   "4129299"   "4222564"   "4361330").PN. OR ("4807887").URPN.	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 19:21
S50	0	60/ 581975	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 19:29
S51	0	2007/0260407	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 19:30
S52	1	"20070260407"	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 19:30
S53	1	10/ 448,439	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 19:34
S55	2	("2783047").URPN.	USPAT	OR	OFF	2009/10/09 19:36
S56	5	("2939706").URPN.	USPAT	OR	OFF	2009/10/09 19:37
S57	30	("2939706"   "4261579"   "4351026").PN. OR ("4662845").URPN.	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/09 19:37
S61	2	("5447315").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/13 10:47
S62	2	("4,824,107").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/13 11:21
S63	2	("4,824,107").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/15 13:20

S64	3	2000-163386	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:10
S65	5	2001-340646	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:10
S66	42	"340646"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:10
S67	61	"163386"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:11
S68	630	"18135"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:12
S69	3	2000-205199	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:14
S70	3	2000-205199	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:14
S71	66	"205199"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 12:15

S72	6	("6558253") or ("6224483") or ("6827646").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 16:07
S73	272	("4448419"   "5580053"   "5584763"   "5722891"   "5788573"   "5823874"   "5848932"   "5947820").PN. OR ("6224483").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 16:08
S74	155	("3633915"   "4448419"   "4582324"   "4624459"   "4695053"   "4991848"   "5178390"   "5205555"   "5342047"   "5382023"   "5456465"   "5524888"   "5536016"   "5542669"   "5560603"   "5584763"   "5611535"   "5711525"   "5769716"   "5772509"   "5775692"   "5788573"   "5823874"   "5833538"   "5848932"   "5851147"   "5851148"   "5873781"   "5882261"   "5902184"   "5911418"   "5947820"   "5951397"   "5964463"   "5967894"   "5980384"   "5984781"   "5997400"	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 16:11

		<p>"5997401"        "6004207"        "6015346"        "6019369"        "6033307"        "6056642"        "6059289"        "6059658"        "6062980"        "6068552"        "6089976"        "6089977"        "6089978"        "6093102"        "6102798"        "6120031"        "6126541"        "6126542"        "6142873"        "6142874"        "6142875"        "6146270"        "6146273"        "6159095"        "6159096"        "6159097"        "6159098"        "6162121"        "6168520"        "6168523"        "6173955"        "6174233"        "6174235"        "6190254"        "6190255"        "6203429"        "6210279"        "6213876"        "6224483"        "6231442"        "6231445"        "6261177"        "6302790"        "6305686"        "6309300"        "6328649"        "6375187").PN. OR      ("6569015").URPN.</p>				
S75	281	<p>"4871171"        "5205555"        "5342049"        "5344145").PN. OR      ("5882261").URPN.</p>	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 16:16

S76	130	"2187046"   "2203866"   "3140875").PN. OR ("4871171").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 16:16
S77	16	("5560603"   "5664999"   "5722891"   "5779544"   "5882261"   "5919088"   "5934672"   "5997400"   "6106393"   "6113493"   "6135884"   "6174233"   "6287194").PN. OR ("6620044").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 16:18
S78	47	("3281149"   "4200291"   "4570934"   "4695053"   "4756531"   "4805907"   "4836546"   "4871171"   "5067712"   "5205555"   "5259616"   "5342049"   "5344145"   "5393057"   "5397125"   "5722891"   "5788573"   "5823874"   "5848932"   "5911418"   "5976016"   "6033307"   "6089978"   "6135884").PN. OR ("6612575").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 16:50
S79	3	persistent near modifier	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 17:05
S80	1	"20040048646"	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 17:22
S81	1	"20050054429"	US-PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 18:18

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S83	21	("3281149"   "4805007"   "4871171"   "5205555"   "5259616"   "5342049"   "5344145"   "5531441"   "5823874"   "5839955"   "5848932"   "5851148").PN. OR ("6558253").URPN.	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/16 18:34
S84	2	("6869360").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/16 18:59
S85	52	("4181304"   "4552362"   "4844467").PN. OR ("5344145").URPN.	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/23 13:02
S86	344	("20020025844"   "20020037784"   "20020045475"   "20020072402"   "20020094857"   "20020119824"   "20020132660"   "20020142822"   "20020151350"   "20020155883"   "20030013514"   "20030027619"   "20030040355"   "20030045344"   "20030045348"   "20030054875"   "20030064795"   "20030125107"   "20030222401"   "20040009803"   "20040038731"   "20040053683"   "20040198485"	US_PGPUB; USPAT; USOOR	OR	OFF	2009/10/23 13:03

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